

## **D&D Subgroup Highlights**

### **May 6, 1997**

Jim Goodenough opened the meeting by describing the EM-50 Team in terms of a team net factor diagram. He described the interactions of key players at Hanford and across the nation in terms of "co-opetition" which is the need to cooperate in order to compete. Also included was the acronym PMLLL: purpose, members, links, leaders, and levels. This concept was based on a management course that Jim just completed.

#### TDI Proposal Update

Wayne Green (FDH) discussed the two TDI preproposals being written by FDH: NDA of glove ports at the PFP, and remote characterization of B-Plant Canyon using a gamma camera. The laser cutting TDI preproposal that was being worked on will not be submitted because it is not yet ready for deployment in radiation areas. BHI will submit one D&D TDI proposal: U-Plant characterization. TDI proposals for Co<sub>2</sub> Blasting and Asbestos Conversion were dropped due to a lack of project support. All the subgroups, including the D&D subgroup, reviewed the TDI preproposals and asked questions about them. The answers and comments were incorporated into the final TDI proposals.

#### Comments on the D&D Focus Area Response

The response from the D&D Focus Area to the 14 needs that Hanford submitted consisted of a series of three tables for each need. These three tables were entitled: Preferred Decommissioning technology category associated with need; commercial innovative technologies which may satisfy need; and developing technologies which may satisfy need. The tables consisted of a list of technologies with no associated description. The following is a list of comments from the subgroup members that will be written up in a letter to be sent to the Focus Area after subgroup approval:

- Not enough details on the technologies identified;
- Some technologies on the list are not viable or funded;
- Need points of contact for each technology;
- Some technologies were listed more than once for the same category;
- No official response was received by March 31 as we requested;
- They do not understand our needs given the responses (e.g. physical stress monitoring);
- Need references to the listed technologies and/or internal access to their database;
- Would like to know other STCG/Site needs that match ours.

Wayne Martin attended a meeting last month with Clyde Frank where Caroline Purdy, the DOE program manager for the Characterization, Monitoring and Sensor Technology (CMST) cross-cutting program, said that the focus of the CMST will shift to more D&D related work. The emphasis will move from characterization to monitoring technology development.

## Laser Demo Update

Keith Pauley reported that the laser is being used to cut the six ton crane in the non-rad area. The laser is experiencing problems with false stops due to problems with the feedback wire breaking..

The vendor is being asked to beef up the wire and end effector to increase the integrity of the wire feedback system. When the laser was in operation it worked well. Only part of the crane will be cut up with the laser, the rest will be done with saws. Due to the lack of a 10-ton crane the demo in the B-cell will not take place until September. Keith is working with BWHC on the schedule. The purchase of the laser is also being pursued with the vendor. The end-effectors may be purchased to test them in the high rad cell. Keith would like to see the test results from the LANL experiment before proceeding into the hot cell. An engineering plan has been drawn up between PNNL and BWHC for the B-cell work. Keith stated it would take one week to move the demo equipment into the hot cell and be completely set up. Gerry McCormick will check with the BWHC managers to see if the schedule can be sped up.

## Deployment Center Questions

All the STCG subgroups were asked to provide questions concerning the Hanford Technology Deployment Center (HTDC) to FDH so they can answer them during the next Management Council meeting on May 21.

The following were questions raised at the meeting:

- Is the HTDC still a virtual deployment center?
- What has the HTDC become?
- Who is involved in the HTDC?
- Is there a specific budget for the HTDC?
- What technologies are they currently working on?
- What deployments have been done by the HTDC or are planned for the future?
- How do the Technical Steering Groups interact with the HTDC?
- Is the HTDC the decision maker on deployment and if not who is?
- What additional value does the HTDC bring to the Hanford Site?

## X-Change 97 Symposium

Jim Goodenough discussed the symposium to be held in Miami from November 30 to December 4, 1997. Brochures about X-Change 97 were also distributed. The symposium's focus is on D&D issues from an international perspective. Jim Goodenough will put together a letter to Lloyd Piper from the D&D subgroup asking if the STCG will endorse Hanford's involvement in the X-Change 97 Symposium. Abstracts of potential papers are due in by the end of May. Potential Hanford topics include the C-Reactor demo, canyon facility work, PUREX/PFP cleanout, K-Basin cleanout, and laser cutting demo. In addition a poster session on Hanford D&D may be done to show the coordinated work being done here. Jim will keep the subgroup updated and if a booth is done the subgroup will be involved.

## Miscellaneous Topics

Wayne Green will investigate the status of the purchase of a small portable CO<sub>2</sub> blasting unit for use onsite. RFSH may be the group purchasing this unit. At C-Reactor, a demo of a nitrogen cutting/blasting system is being carried out. It may be possible to compare the results of this test versus the CO<sub>2</sub> blasting unit's performance.

FETC is sending out letters to the DOE complex announcing that the #4 and 5 large scale demos will be done at Oak Ridge and Rocky Flats. Jim Goodenough is putting together a letter to the OR and RF teams requesting that Hanford Personnel from BHI and BWHC be included as part of the Integrated Contractor Teams for both demos. Jim would like to include resumes from potential representatives with each letter. The representatives should report back to this subgroup with status updates if they are selected to be on the ICT for a demo.

Jim Goodenough presented information about a Nuclear Energy Agency Program on decommissioning. This NEA program has a book out that is a lessons learned document on decommissioning. Subgroup members were asked to consider whether information on Hanford decommissioning projects should be submitted for publication to the NEA. Jim Goodenough also asked the subgroup to consider forming task forces to work on specific issues such as recycling, life-cycle costing, or decontamination techniques.

## Meeting Attendees

Gary Ballew (PREC)  
Jim Goodenough (DOE-RL)  
Wayne Green (FDH)  
Suzanne Garrett (PNNL)  
Bob Jullian (Ecology)  
Wayne Martin (PNNL)  
Gerry McCormick (BWHC)  
Keith Pauley (PNNL)  
Shannon Saget (DOE-RL)  
Steve Weakley (PNNL)